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Abbas [IR/BE]; 35, Domaine de la Brisée, B-7000 Mons  
(BE).

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(71) Applicants (for all designated States except US): **TO-  
TAL PETROCHEMICALS RESEARCH FELUY**  
[BE/BE]; Zone Industrielle C, B-7181 Seneffe (Feluy)  
(BE). **CENTRE NATIONAL DE LA RECHERCHE**  
**SCIENTIFIQUE** [FR/FR]; 3, Rue Michel Ange, F-75016  
Paris (FR).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **LAVASTRE,**  
**Olivier** [FR/FR]; La Mazure, F-35490 Gahard (FR).  
**GALLARD, Laurent** [FR/FR]; L'Isle, 11, Rue des  
Pêcheurs, F-79170 Villiers sur Chizé (FR). **RAZAVI,**

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(54) Title: **BIMODAL POLYETHYLENE**

(57) Abstract: The present invention discloses a method for preparing a catalyst component suitable for the preparation of bimodal polymers that comprises the steps of: a) providing hollow beads of polyethylene of controlled morphology and size; b) drying the hollow beads under vacuum; c) impregnating the dried hollow beads with a concentrated solution of the desired catalyst component under vacuum; d) submitting the impregnated hollow beads to atmospheric pressure; e) draining excess liquid; f) drying under inert gas at atmospheric pressure. It also discloses a method for preparing bimodal polymers that uses the new catalyst component catalyst.

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